



02-23-04

**CERTIFICATION OF MAILING BY "EXPRESS MAIL"**

Express Mail Label No. EV 313 981 322 US  
Date of Deposit: 19 February 2004

*Virginia Griffith*

Virginia Griffith

I hereby certify that this paper or fee and accompanying documents referred to below are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to Mail Stop Patent Applications, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Case No. 033.06-1US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

First Inventor: Singh

Serial No: 10/726,856

Filed: 02 December 2003

For: METHODS EMPLOYING  
OLIGONUCLEOTIDE-BINDING E-TAG PROBES

Examiner: J. Tung (Prior Application)

Art Unit: 1637 (Prior Application)

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Alexandria, Virginia

Sir:

The references cited on the accompanying PTO-1449 form(s) may be material to the examination of the above-identified application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR 1.56 and 1.97. The Examiner is requested to make these citations of official record in this application. Copies of the cited references are enclosed or have been previously submitted in prior application(s) to the above application.

This Information Disclosure Statement under 37 CFR 1.56 and 1.97 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one or more of these citations constitutes prior art.

## SUBMISSION INFORMATION

This Information Disclosure Statement is being submitted within three (3) months of filing or before mailing of a first Office Action, whichever occurs last. (37 CFR 1.97(b))

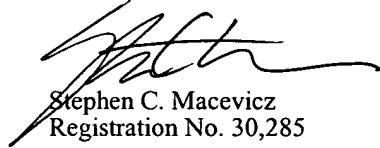
### PAYMENT OF FEES (IF ANY DUE)

- **FEE AUTHORIZATION.** The Commissioner is hereby authorized to withdraw from Deposit Account

**50-2266**

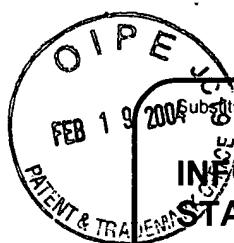
any submission fees or petition fees required for this Information Disclosure Statement.

Respectfully submitted,



Stephen C. Macevicz  
Registration No. 30,285

Enclosures: 1449 form(s)



Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1 of 3

### Complete if Known

Application Number	10/726,856
Filing Date	02 December 2003
First Named Inventor	Sharat Singh
Art Unit	1637 (Prior Application)
Examiner Name	J. Tung (Prior Application)
Attorney Docket Number	033.06-1US

Sheet	1	of	3	Attorney Docket Number	033.06-1US
-------	---	----	---	------------------------	------------

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number - Kind Code <sup>2</sup> (if known)		
	P1	US-4,331,590	May 25, 1982	Bocuslaski et al
	P2	US- 4,383,031	May 10, 1983	Bocuslaski et al
	P3	US- 4,780,421	October 25 1988r	Kameda et al
	P4	US- 5,360,819	November 1, 1994	Giese
	P5	US- 5,403,711	April 4, 1995	Walder et al
	P6	US- 5,843,655	December 1, 1998	McGall
	P7	US- 6,121,001	September 19, 2000	Westem et al.
	P8	US- 6,214,979	April 10, 2001	Gelfand et al
	P9	US- 6,331,530	December 18, 2001	Breslow et al
	P10	US- 4,675,300	June 23, 1987	Zare et al.
	P11	US- 5,324,401	June 28, 1994	Yeung et al
	P12	US- 5,470,705	November 28, 1994	Grossman et al.
	P13	US- 5,536,834	July 16, 1996	Sing et al.
	P14	US- 5,560,811	October 1, 1996	Briggs et al.
	P15	US- 5,565,324	October 14, 1996	Still et al.
	P17	US- 5,573,906	November 12, 1996	Bannwarthe et al.
	P18	US- 5,580,732	December 3, 1996	Grossman et al.
	P19	US- 5,624,800	April 29, 1997	Grossman et al.
	P20	US- 5,703,222	December 30, 1997	Grossman et al.
	P21	US- 5,719,028	February 17, 1998	Dahberg et al
	P22	US- 5,721,099	February 24, 1998	Still et al.
	P23	US- 5,723,591	March 3, 1998	Livak et al.
	P24	US- 5,756,726	May 26, 1998	Hemmi et al.
	P25	US- 5,789,172	August 4, 1998	Still et al.
	P26	US- 5,807,675	September 15, 1998	Davalian et al.
	P27	US- 5,807,682	September 15, 1998	Grossman et al.
	P28	US- 5,811,239	September 22, 1998	Frayne
	P29	US- 5,843,666	December 1, 1998	Akhavan-Tafti et al.
	P30	US- 5,874,213	February 23, 1999	Cummins et al.
	P31	US- 5,876,930	March 2, 1999	Lival et al.
	P32	US- 5,989,871	November 23, 1999	Grossman et al.
	P33	US- 5,998,140	December 7, 1999	Dervan et al.
	P34	US- 6,001,579	December 14, 1999	Still et al.
	P35	US- 6,090,947	July 18, 2000	Dervan et al
	P36	US- 6,045,676	April 4, 2000	Mathies et al.
	P37	US- 5,470,967	Nov. 28, 1995	Huie et al.
	P38	US- 5,851,770	Dec. 22, 1998	Babon et al.

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document		
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	F1	WO 97/28275	August 7, 1997			
	F2	WO 98/01533	January 15, 1998			
	F3	WO 99/13108	March 18, 1999			
	F4	WO 99/64519	Dec. 16, 1999			
	F5	WO 00/66607	Nov. 9, 2000			

Examiner Signature	Date Considered
--------------------	-----------------

	Adam, W. and Liu, J.-C., "Photooxygenation (Singlet Oxygen) of Tetrathioethylenes" <i>J. Am. Chem. Soc.</i> <u>94</u> :1206-1209 (1972).
	Adam, W., et al., "Photooxygenation of Vinyl Sulfides: Substituent Effects on the [2+2] Cycloaddition versus Schenck Ene Reaction Modes" <i>Tetrahedron Letters</i> <u>36</u> (43):7853-7854 (1995).
	Ando, W., et al., "Singlet Oxygen Reaction-II alkylthiosubstituted ethylene" <i>Tetrahedron Letters</i> <u>29</u> :1507-1513 (1973).
	Ando, W., et al., "Singlet Oxygen Reaction. III. 'Solvent and Temperature Effects' on the Photosensitized Oxygenation of Vinyl Sulfides and Vinyl Ethers" <i>J. Am. Chem. Soc.</i> <u>96</u> :6766-6768 (1974).
	Ando, W., et al., "Singlet Oxygen Reaction. IV. Photooxygenation of Enamines Involving a Two-Step Cleavage of a 1,2-Dioxetane Intermediate" <i>J. Am. Chem. Soc.</i> <u>97</u> :5028-5029 (1975).
	Ando, W., et al., "Singlet Oxygen Reaction V. Ring Size Effects on the Decomposition of Sulfur Substituted 1,2-Dioxetane" <i>Tetrahedron Letters</i> <u>47</u> :4127-4130 (1975).
	Brenner, S. and Lerner, R.A., "Encoded combinatorial chemistry" <i>Proc. Natl. Acad. Sci. USA</i> <u>89</u> :5381-5383 (1992).
	Hacia, J.G., et al., "Detection of heterozygous mutations in BRCA1 using high density oligonucleotide arrays and two-colour fluorescence analysis" <i>Nature Genetics</i> . <u>14</u> :441-447 (1996).
	Haff, L.A. and Smirnov, I.P., "Multiplex genotyping of PCR products with MassTag-labeled primers" <i>Nucleic Acids Res.</i> <u>25</u> (18):3749-3750 (1997).
	Lee, L.G., et al., "Allelic discrimination by nick-translation PCR with fluorogenic probes" <i>Nucleic Acid Research</i> <u>21</u> (16):3761-3766 (1993).
	Marino, M.A., et al., "Characterization of mitochondrial DNA using low-stringency single specific primer amplification analyzed by laser induced fluorescence-capillary electrophoresis" <i>Electrophoresis</i> <u>17</u> :1499-1504 (1996).
	Matthews, J.A. and Kricka, L.J., "Analytical Strategies for the Use of DNA Probes" <i>Anal. Biochem.</i> <u>169</u> :1-25 (1988).
	Pastinen, T., et al., "Multiplex, fluorescent, solid-phase minisequencing for efficient screening of DNA sequence variation" <i>Clinical Chemistry</i> <u>42</u> (9):1391-1397 (1996).
	Ross, P.L., et al., "Discrimination of Single-Nucleotide Polymorphisms in Human DNA Using Peptide Nucleic Acid Probes

	Detected by <i>MALDI-TOF Mass Spectrometry</i> " <i>Anal. Chem.</i> <u>69</u> :4197-4202 (1997).
	Still, W.C., "Discovery of Sequence-Selective Peptide Binding by Synthetic Receptors Using Encoded Combinatorial Libraries" <i>Accounts of Chem. Res.</i> <u>29</u> :155-163 (1996).
	Ullman, E.F., et al., "Luminescent oxygen channeling immunoassay: Measurement of particle binding kinetics by chemiluminescence" <i>Proc. Natl. Acad. Sci.</i> , <u>91</u> :5426-5430 (1994).
	Wang, D.G., et al., "Large-Scale Identification, Mapping, and Genotyping of Single-Nucleotide Polymorphisms in the Human Genome" <i>Science</i> <u>280</u> (5366):1077-1082 (1997).
	Wasserman, H.H. and Terao, S., "Enamine-singlet oxygen reactions. $\alpha$ -diketones from intermediate amino dioxetanes" <i>Tetrahedron Letters</i> <u>21</u> :1735-1738 (1975).
	Wetmur, J.G., "DNA Probes: Applications of the Principles of Nucleic Acid Hybridization" <i>Critical Rev. in Biochem. and Molecular Biol.</i> <u>26</u> (3/4):227-259 (1991).
	White, T.J., "The future of PCR technology: diversification of technologies and applications" <i>Trends in Biotechnology</i> <u>14</u> :478-483 (1996).
	Woolley, A.T., et al., "Functional Integration of PCR Amplification and Capillary Electrophoresis in a Microfabricated DNA Analysis Device" <i>Anal. Chem.</i> <u>68</u> :4081-4086 (1996).
	Zalika, K.A., et al., "Mechanisms of 1,2-dioxetane decomposition: the role of electron transfer" <i>Photochem. Photobiol.</i> <u>30</u> :35-44 (1979).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPE 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	